



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/086,748
Source: 1FW16
Date Processed by STIC: 11/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/086,748</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

RAW SEQUENCE LISTING

DATE: 11/10/2004

PATENT APPLICATION: US/10/086,748

TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
 Output Set: N:\CRF4\11102004\J086748.raw

3 <110> APPLICANT: Wolber, Paul
 5 <120> TITLE OF INVENTION: Calibration of Molecular Array Data
 7 <130> FILE REFERENCE: 10020405-1
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/086,748
 C--> 9 <141> CURRENT FILING DATE: 2002-02-28
 9 <160> NUMBER OF SEQ ID NOS: 29
 11 <170> SOFTWARE: PatentIn version 3.3
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 20
 15 <212> TYPE: DNA
 16 <213> ORGANISM: artificial sequence; *delete*
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: *artificial sequence* *same error*
 21 <400> SEQUENCE: 1
 22 aaaaaaaaaaaa aaaaaatctc *insufficient explanation - give source of genetic material (see item 11 on Error Summary Sheet)*
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 21
 27 <212> TYPE: DNA
 28 <213> ORGANISM: artificial sequence; *same error*
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: *artificial sequence* *same error*
 33 <400> SEQUENCE: 2
 34 aaaaaaaaaaaa aaaaaatctc c *same error* 21
 37 <210> SEQ ID NO: 3
 38 <211> LENGTH: 22
 39 <212> TYPE: DNA
 40 <213> ORGANISM: artificial sequence; *same error*
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: *artificial sequence* 22
 45 <400> SEQUENCE: 3
 46 aaaaaaaaaaaa aaaaaatctc cc
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 23
 51 <212> TYPE: DNA
 52 <213> ORGANISM: artificial sequence; *same error*
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: *artificial sequence* 23
 57 <400> SEQUENCE: 4
 58 aaaaaaaaaaaa aaaaaatctc cca
 61 <210> SEQ ID NO: 5
 62 <211> LENGTH: 23
 63 <212> TYPE: DNA
 64 <213> ORGANISM: artificial sequence;

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

66 <220> FEATURE:
67 <223> OTHER INFORMATION: artificial sequence
69 <400> SEQUENCE: 5
70 aaaaaaaaaaaa aaaaaaaaatc tcc 23
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 24
75 <212> TYPE: DNA
76 <213> ORGANISM: artificial sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: artificial sequence
81 <400> SEQUENCE: 6 24
82 aaaaaaaaaaaa aaaaaatctc ccaa
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: artificial sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: artificial sequence
93 <400> SEQUENCE: 7
94 aaaaaaaaaaaa aaaaaaaaatc tccc 24
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 25
99 <212> TYPE: DNA
100 <213> ORGANISM: artificial sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: artificial sequence
105 <400> SEQUENCE: 8 25
106 aaaaaaaaaaaa aaaaaatctc ccaaa
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 25
111 <212> TYPE: DNA
112 <213> ORGANISM: artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: artificial sequence
117 <400> SEQUENCE: 9
118 aaaaaaaaaaaa aaaaaaaaatc tccca 25
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 26
123 <212> TYPE: DNA
124 <213> ORGANISM: artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: artificial sequence
129 <400> SEQUENCE: 10
130 aaaaaaaaaaaa aaaaaatctc ccaaaa 26
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 26
135 <212> TYPE: DNA
136 <213> ORGANISM: artificial sequence
138 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

139 <223> OTHER INFORMATION: artificial sequence
141 <400> SEQUENCE: 11 26
142 aaaaaaaaaaaa aaaaaaaaaatc tcccaa
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 27
147 <212> TYPE: DNA
148 <213> ORGANISM: artificial sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: artificial sequence
153 <400> SEQUENCE: 12 27
154 aaaaaaaaaaaa aaaaaaaaaatc tcccaa
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 27
159 <212> TYPE: DNA
160 <213> ORGANISM: artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: artificial sequence
165 <400> SEQUENCE: 13 27
166 aaaaaaaaaaaa aaaaaaatctc ccaaaaa
169 <210> SEQ ID NO: 14
170 <211> LENGTH: 28
171 <212> TYPE: DNA
172 <213> ORGANISM: artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: artificial sequence
177 <400> SEQUENCE: 14 28
178 aaaaaaaaaaaa aaaaaaaaaatc tcccaa
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 28
183 <212> TYPE: DNA
184 <213> ORGANISM: artificial sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: artificial sequence
189 <400> SEQUENCE: 15 28
190 aaaaaaaaaaaa aaaaaaaaaatc tcccaa
193 <210> SEQ ID NO: 16
194 <211> LENGTH: 28
195 <212> TYPE: DNA
196 <213> ORGANISM: artificial sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: artificial sequence
201 <400> SEQUENCE: 16 28
202 aaaaaaaaaaaa aaaaaaatctc ccaaaaa
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 29
207 <212> TYPE: DNA
208 <213> ORGANISM: artificial sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: artificial sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004

TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt

Output Set: N:\CRF4\11102004\J086748.raw

213 <400> SEQUENCE: 17 29
 214 aaaaaaaaaaaa aaaaaaaaatc tcccaaaaaa
 217 <210> SEQ ID NO: 18
 218 <211> LENGTH: 29
 219 <212> TYPE: DNA
 220 <213> ORGANISM: artificial sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: artificial sequence
 225 <400> SEQUENCE: 18
 226 aaaaaaaaaaaa aaaaaatctc caaaaaaaaa 29
 229 <210> SEQ ID NO: 19
 230 <211> LENGTH: 30
 231 <212> TYPE: DNA
 232 <213> ORGANISM: artificial sequence
 234 <220> FEATURE:
 235 <223> OTHER INFORMATION: artificial sequence
 237 <400> SEQUENCE: 19
 238 aaaaaaaaaaaa aaaaaaaaatc tcccaaaaaa 30
 241 <210> SEQ ID NO: 20
 242 <211> LENGTH: 30
 243 <212> TYPE: DNA
 244 <213> ORGANISM: artificial sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: artificial sequence
 249 <400> SEQUENCE: 20
 250 aaaaaaaaaaaa aaaaaatctc caaaaaaaaa 30
 253 <210> SEQ ID NO: 21
 254 <211> LENGTH: 31
 255 <212> TYPE: DNA
 256 <213> ORGANISM: ?artificial sequence; C-->
 258 <220> FEATURE: W-->
 258 <223> OTHER INFORMATION: W-->
 258 <400> 21
 259 aaaaaaaaaaaa aaaaaaaaatc tcccaaaaaa a 31
 262 <210> SEQ ID NO: 22
 263 <211> LENGTH: 31
 264 <212> TYPE: DNA
 265 <213> ORGANISM: artificial sequence
 267 <220> FEATURE:
 268 <223> OTHER INFORMATION: artificial sequence
 270 <400> SEQUENCE: 22
 271 aaaaaaaaaaaa aaaaaatctc caaaaaaaaa a 31
 274 <210> SEQ ID NO: 23
 275 <211> LENGTH: 32
 276 <212> TYPE: DNA
 277 <213> ORGANISM: artificial sequence
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: artificial sequence
 282 <400> SEQUENCE: 23

Artificial Sequence

→ mandatory numeric identifier
needed. see p. 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:47

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

283 aaaaaaaaaa aaaaaaaatc tcccaaaaaa aa 32
 286 <210> SEQ ID NO: 24
 287 <211> LENGTH: 32
 288 <212> TYPE: DNA
 289 <213> ORGANISM: artificial sequence;
 291 <220> FEATURE:
 292 <223> OTHER INFORMATION: artificial sequence
 294 <400> SEQUENCE: 24
 295 aaaaaaaaaa aaaaaatctc caaaaaaaaa aa 32
 298 <210> SEQ ID NO: 25
 299 <211> LENGTH: 33
 300 <212> TYPE: DNA
 301 <213> ORGANISM: artificial sequence;
 303 <220> FEATURE:
 304 <223> OTHER INFORMATION: artificial sequence
 306 <400> SEQUENCE: 25
 307 aaaaaaaaaa aaaaaaaatc tcccaaaaaa aaa 33
 310 <210> SEQ ID NO: 26
 311 <211> LENGTH: 33
 312 <212> TYPE: DNA
 313 <213> ORGANISM: artificial sequence;
 315 <220> FEATURE:
 316 <223> OTHER INFORMATION: artificial sequence
 318 <400> SEQUENCE: 26
 319 aaaaaaaaaa aaaaaatctc caaaaaaaaa aaa 33
 322 <210> SEQ ID NO: 27
 323 <211> LENGTH: 34
 324 <212> TYPE: DNA
 325 <213> ORGANISM: artificial sequence;
 327 <220> FEATURE:
 328 <223> OTHER INFORMATION: artificial sequence
 330 <400> SEQUENCE: 27
 331 aaaaaaaaaa aaaaaaaatc tcccaaaaaa aaaa 34
 334 <210> SEQ ID NO: 28
 335 <211> LENGTH: 35
 336 <212> TYPE: DNA
 337 <213> ORGANISM: artificial sequence;
 339 <220> FEATURE:
 340 <223> OTHER INFORMATION: artificial sequence
 342 <400> SEQUENCE: 28
 343 aaaaaaaaaa aaaaaaaatc tcccaaaaaa aaaaa 35
 346 <210> SEQ ID NO: 29
 347 <211> LENGTH: 60
 348 <212> TYPE: DNA
 349 <213> ORGANISM: artificial sequence;
 351 <220> FEATURE:
 352 <223> OTHER INFORMATION: artificial sequence
 354 <400> SEQUENCE: 29
 355 ttgattttt ttataataaac tacttttga ttaaaaaaaaaaaaaaa aaaaaaaaaa 60

10/086,748 6

<210> SEQ ID NO 21
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: :
<400> SEQUENCE: 21

aaaaaaaaaa aaaaaaaaaatc tcccaaaaaaaaaa a

see p. 7 for an explanation

31

7
RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004
TIME: 16:29:48

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt
Output Set: N:\CRF4\11102004\J086748.raw

no explanation

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:21

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/086,748

DATE: 11/10/2004

TIME: 16:29:48

Input Set : D:\10020405-1 SEQ LIST.ST25-2.txt

Output Set: N:\CRF4\11102004\J086748.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:256 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21

L:258 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>

ORGANISM:Artificial Sequence

L:258 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>

ORGANISM:Artificial Sequence

L:258 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:258